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SHIP SYSTEM	SUBSYSTEM	MRC CODE		
Hull Structure	Bulkheads and Decks	R		
SYSTEM	EQUIPMENT		I/H	
Hull Deck	Bulkheads, Decks and Trunks	GS-11/12 48	. 0	
MAINTENANCE REQUIREMENT DESCRIPTION 1. Conduct SEMAT assessment procedure for structural bulkheads and decks. (12011) 2. Conduct SEMAT assessment procedure for trunks and enclosures. (12322) 3. Conduct SEMAT assessment procedure for flight and helicopter decks. (13011)				
SAFETY PRECAUTIONS 1. Forces afloat comply with NAVOSH Program Manual for Forces Afloat, OPNAVINST 5100.19 series.				
TOOLS, PARTS, MATERIALS, TEST EQUIPMENT MATERIALS 1. [1609] Magnifier 2. [3187] Ruler, plastic, 6" TOOLS 1. [0611] Hammer, hand, Scaling, 1 LB 2. [1157] Scraper, bearing, Flat, end cutting, carbide tip 3. [1350] Tape, measuring, 3/8" steel, 100 FT, hand crank 4. [2271] Flashlight, Type 3, style 1, explosive proof MISCELLANEOUS 1. Ships drawings (as required)				
NOTE: Numbers in brackets can be referenced to Standard PMS Materials Identification Guide (SPMIG) for stock number identification.			1 OF 4	
PROCEDURE NOTE 1: Accomplish assessment before availability, after availability, and before deployment.				
NOTE 2: Number of personnel and man-hours assigned is average for DD-class ships and may require adjustment for larger class of ships.				
Preliminary a. Obtain a copy of ship's Compartment and Access plan to assist assessment.				
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LOCATION		DATE August 1997	Z	

PROCEDURE (Contd)

- b. Obtain a copy of ship's Repair Inspection Requirements (RIR) sheets for reference during this assessment.
- c. Review JSNs from the ship's CSMP for discrepancies to be assessed under these procedures.

1. Conduct SEMAT Assessment Procedure for Structural Bulkheads and Decks. (12011)

- a. Conduct a visual and hammer assessment of interior structural bulkheads and decks aboard ship. Items to be assessed but not limited to are as follows:
- NOTE 3: When performing assessment, pay particular attention to the areas where watertight integrity is concerned. Also check the insulated bulkhead area where insulation meets deck, and is protected by a kickplate, for hidden moisture and corrosion. Pay particular attention to wet spaces, especially wet bilges, for blistered paint indicative of corrosion and deterioration. Wet spaces include but are not limited to: engine rooms, auxiliary machinery rooms, pump room, shaft alleys, steering gear room, and air conditioning machinery rooms. A chipping hammer is useful in evaluating potential areas of deterioration.
 - (1) Hairline cracks may appear in plating or welded seams due to metal fatigue or inferior welding. Particular attention should be given to critical areas where watertight integrity is concerned.
 - (2) Visually assess structural longitudinal and transverse bulkheads in all areas including the perimeter bulkheads of engineering spaces for cracks, paint blisters which may indicate corrosion, damage, or deterioration. Pay particular attention to perimeter bulkheads in wet spaces, especially when located in wet bilges, for blistered paint indicative of corrosion and deterioration.
 - (3) Visually assess platform, flat plating and associated stiffening, butts, seams, and patches for cracks, damage, and deterioration, especially when located in wet spaces.
 - (4) Visually assess deck plating and associated stiffening, butts, seams, patches, and rivet areas for cracks, damage, and deterioration, especially when located in wet spaces. Assess deck plating and associated stiffening on the area of gun mount for cracks and distortion.
 - (5) Visually Assess painted surfaces for blisters and apparent increase in paint film thickness which may indicate hidden corrosion.

Conduct SEMAT Assessment Procedure for Trunks and Enclosures. (12322)

- a. Conduct a visual and hammer assessment of interior and exterior areas of all trunks aboard ship. Examples of items to be assessed but no limited to are:
 - (1) Ladders and associated hardware.
 - (2) Safety nets.
 - (3) Bulkheads and decks.
 - (4) Paint condition on all bulkheads and decks.
 - (5) Broken or missing pipe hangers and wire racks.

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nd ship. are:
assessment of interior and helicopter decks aboard dessed but not limited to the error beams. Ings (tie downs). Ind areas. Ing downs to look for the error of decks, items to look for the error of decks, distortion, buckli
ds and decks. Assess s. paint.

PROCEDURE (Contd) (5) Aircraft securing fittings (tie-downs). Assess for: (a) Deterioration, fractures, distortion, buckling, ar cracked welds. (b) Loose or missing bolting hardware.	nd		
4. Record all discrepancies identified on applicable SEMAT discrepancy reporting forms (2-K or Material Assessment Form).			
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